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Respectfully submitted,

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APPENDIX A - AMENDED CLAIMS

1. (Amended) A method for reducing or eliminating the susceptibility of a tropoelastin [or a tropoelastin variant] to proteolysis comprising mutating a sub-sequence in the tropoelastin [or the tropoelastin variant] so that the susceptibility of the tropoelastin [or the tropoelastin variant] to proteolysis is reduced or eliminated.

42. (Amended) A method for enhancing the susceptibility of a tropoelastin [or a tropoelastin variant] to proteolysis comprising inserting a sub-sequence into the tropoelastin [or the tropoelastin variant] so that the susceptibility of the tropoelastin [or the tropoelastin variant] to proteolysis is enhanced.

81. (Amended) A method for enhancing the purification of a tropoelastin [or a tropoelastin variant] comprising including a peptidomimetic molecule according to any one of claims 76 to 80 in a crude tropoelastin [or tropoelastin variant] preparation which is being subjected to purification.

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